

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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APPLICANT : OSAKA GAS CO LTD;

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TITLE : GRAPHITE MATERIAL AND PRODUCTION THEREOF

ABSTRACT : PURPOSE: To impart isotropy to a composite material with the ground and graphitized product of small mesophase spheres.

CONSTITUTION: When a graphite material is produced by carbonizing and graphitizing small mesophase spheres, the small mesophase spheres are ground before carbonized or graphitized. The graphite material is obtained by a method comprising grinding the small mesophase spheres and subsequently carbonizing and graphitizing the ground product at a temperature of 450-1500°C, or by a method comprising carbonizing the small mesophase spheres at a temperature of 450-1500°C, grinding the carbonization product, and subsequently graphitizing the ground product at a temperature of 1500-3000°C. The carbonization and the graphitization are performed under a non-oxidative atmosphere such as an inert gas atmosphere. The obtained graphite material has an average particle diameter of approximately 1-20µm.

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